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SPECIFICATION

DESCRIPTIVE TITLE OF THE INVENTION.

SOLAR POWERED (PHOTOVOLTAIC) ELECTRO LUMINESCENT EXTRUDED LIGHTING DEVICE.

- **CROSS REFERENCE TO RELATED APPLICATIONS.**

**A PROVISIONAL APPLICATION FOR PATENT OF THE SAME DEVICE WAS SUBMITTED AND GIVEN THE FOLLOWING APPLICATION NUMBER 60/433,274
FILING DATE: 12-16-02.**

CONFIRMATION NUMBER: 8507

CUSTOMER NUMBER: 30176

- **STATEMENT REGARDING FED SPONSORED R&D: NONE**
- **SEQUENCE LISTING: NONE**

BACKGROUND OF INVENTION:

THIS INVENTION IS CONCERNED WITH THE DOUBLE CONVERSION OF LIGHT OR PHOTONS INTO ELECTRICITY, STORAGE OF IT AND THE CONVERTING OF ELECTRICITY BACK INTO PHOTONS.

WHILE THE DESCRIBED CONVERSION WAS TECHNICALLY PREVIOUSLY POSSIBLE, THIS INVENTION RELATES TO ACHIEVING SAID CONVERSION USING A DOUBLE SURFACED, (UPPER AND LOWER) COMBINATION OF TECHNOLOGIES, SAID TECHNOLOGIES ARE ARRANGED IN AN EXTRUDED, LAMINATED AND-OR LINEARLY PRODUCED COMPONENTS, TO ILLUMINATE SIGNS OR ANY GRAPHICALLY REPRODUCED INFORMATION BOARD.

SUMMARY OF INVENTION

SOLAR POWERED (PHOTOVOLTAIC) - ELECTRO LUMINESCENT EXTRUDED DEVICE.

THE PRESENT INVENTION APPLICATION IS TO PROVIDE GRID-LESS-POWERED ILLUMINATION BY COMBINING THE RESULTS OF THREE PHYSICAL MATERIAL EFFECTS:

- **PHOTO-VOLTAIC MATERIALS,**
- **ELECTRO-LUMINESCENT MATERIALS**
- **AND**
- **FORMED-BY-EXTRUSION MATERIALS.**

THE EXTRUDED CARRIER OF THE BODY OF THE FIXTURE COULD BE EITHER MADE OF ALUMINUM OR PLASTIC ON A TECHNICALLY SIMILAR PROCESS (EXTRUSION) HOWEVER, THIS INVENTION IN SOME OF ITS APPLICATIONS, USES THE TRANSPARENCY OF THE PLASTIC (POLYCARBONATE OR SIMILAR) TO CONCEAL A COMBINATION OF PHOTOVOLTAIC AND ELECTROLUMINESCENT "TAPE" OR LINEAR MATERIAL UNDER ITS EXTRUDED SHAPE AND THEREFORE, IT PROVIDES WITH A WEATHER-PROOF PERFORMANCE OF THE DEVICE.

THE CONVERSION OF SOLAR LIGHT INTO "NIGHT" LIGHT IS CONTROLLED BY AN ELECTRONIC COMPONENTS CONTAINING:

- **PHOTO CELL OR LIGHT MEASURING DEVICES,**
- **BATTERIES OR "ENERGY STORAGE UNITS"**
- **AND**
- **A CIRCUITRY OR "INVERTER DRIVER" THAT RAISES THE VOLTAGE FROM THE STORAGE UNITS INTO THE HIGHER VOLTAGE-MINIMUM AMPERAGE WHICH IS REQUIRED TO PRODUCE THE ELECTRO LUMINESCENCE EFFECT.**